

Date: Tue, 28 Jun 94 00:04:19 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #713
To: Info-Hams

Info-Hams Digest Tue, 28 Jun 94 Volume 94 : Issue 713

Today's Topics:

 'OK' Place to ham (Czech Rep.)
 15m interference
ANARTS RTTY News Bulletin 815 26th June 1994
 Failed mail
 FCC Address?
 Help with FBB & BPQ
IPS Daily Report - 27 June 94
 Lead Acid Storage Batteries
 QST H/Brew Isoloop
 simnplex on two meter (2 msgs)
 Success!
What causes pitch shift in receiver?
 YOU KNOW ITS TIME TO RETI

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 27 Jun 1994 12:37:13 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!usenet.ins.cwru.edu!
lerc.nasa.gov!kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!
jsalemi@network.ucsd.edu
Subject: 'OK' Place to ham (Czech Rep.)
To: info-hams@ucsd.edu

In article <2ufe8k\$m1l@borg.msc.cornell.edu>, Isaac Trefz (isaac@msc.cornell.edu)
writes:

>Will I be allowed to bring my IC-W2A over there? This HT can receive from
>about 100 - 1300 MHz and transmits on the 2 meter and 70cm bands.
>Unfortunately, it has been modified to transmit out of band, so it will
>also transmit fairly far outside of band.
>

I don't know about bringing it into the country, but many (most?)
European repeaters require a sub-tone to operate, which is why you'll
see both US and European versions of the HTs in the catalogs. You may
have to get an add-on tone board from Icom for your HT to work there.

Also, in Europe the 2m band is smaller than it is here in the US,
topping out at 146MHz instead of 148MHz. And the 70cm band in Europe is
only 430-440MHz, so there may not be much activity other than
satellites there.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 27 Jun 1994 22:07:17 -0400
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!news.intercon.com!
news1.digex.net!digex.net!not-for-mail@network.ucsd.edu
Subject: 15m interference
To: info-hams@ucsd.edu

In article <2umsja\$g7d@gw.PacBell.COM>,
sjhawk2@srv.PacBell.COM (Stephen Hawkins) wrote:

>
> This weekend four of us operated FD from a location high (8500 ft)
> in the mountains of Northern Calif. On 15 meters we kept hearing
> something that sounded like a cross between slow scan, pactor, and
> the Russian Woodpecker. The individuals sounds were a little like
> fax but a lot chirpyer and faster. They were very loud 40 to 50 over
> S-9. The sounds would cover all of 15 meters a times. They would start
> run for a while ruining the band for 20 to 30 minutes then go away for
> a while. Several times the rep rate and chirpyness varied. I did not
> have anything to tape it with or I would have. The interference was
> only on 15 meters. Upon hearing it I immediately thought of the U.S.
> version of the Russian Woodpecker, but I have never before heard anything
> like this. I have two questions.
> 1. Did anyone else hear this.

> 2. Does anyone have any ideas what it was.
> de WV6U Steve. 73 49 0100 1001
>
>

Were you near any govt facility? Many strange things I hear sweeping HF full scale at times driving past Ft. Meade in Maryland...

Andy

Date: 28 Jun 1994 13:15:07 +1000
From: ihnp4.ucsd.edu!agate!msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!news.ci.com.au!eram.esi.com.au!not-for-mail@network.ucsd.edu
Subject: ANARTS RTTY News Bulletin 815 26th June 1994
To: info-hams@ucsd.edu

[ANARTS - Australian National Amateur Radio Teletype Society]

ANARTS News Bulletin 815 26th June 1994

3.545 MHz	0930 UTC	VK2BQS (Jim)
7.045 MHz -3	0030 UTC	VK2CTD (Col)
14.070 MHz (amtcr/fec)	0030 UTC	VK2DPM (Alan)
14.091 MHz	0030 UTC	VK2BQS (JIM)
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT VK2RWI (or VK2OP)
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

Contest report no. 2

Contest logs are starting to flow through the system already. There are some very promising logs in already, in the way of scores. We will keep you updated with news as it comes to hand.

We have some news regarding the WAADCA RTTY mailbox at Wireless Hill. It is apparently growing faster than expected in one of its function -- White Page server -- and has outstripped its memory in that regard. Whatever, we are sure that it will be back, doing what it is expected to do, very soon.

All one can say is that if that is the cause, the mailbox is a resounding success and congratulations to all those amateurs

making use of this facility. By the time you read this, the mailbox may be back up but, in any case, it is good to see that the mailbox is proving so popular.

IPS weekly report

17 June - 23 June 1994

Issue No 25

Date of issue: 24 June 1994

INDICES:

Date	17	18	19	20	21	22	23
10cm	84	78	77	76	74	72	73
A	10	14	20	14	13	08	(04 estimated)
T	35	50	49	38	41	32	25

SUMMARY OF ACTIVITY

Solar activity was very low all week.

The geomagnetic field at Learmonth (WA) was quiet to unsettled 17th-22nd June, with brief active periods from 0900-1500UT on 19th; and quiet on 23rd.

Ionospheric F2 critical frequencies at Sydney were near predicted monthly values 17th, and 20th-23rd June, and near normal to 20 per cent enhanced on 18th-19th.

.
FORECAST FOR THE NEXT WEEK (24 - 30 June)

SOLAR: Very low.

GEOMAGNETIC: Active June 24 - July 4 (coronal hole).

IONOSPHERIC: Depression of 15 per cent probable on 25th.
Degraded HF comms quality expected all week due to anticipated geomagnetic activity.

Courtesy of IPS Radio and Space Services, Sydney

VK2SG RTTY DX NOTES 17 JUN 94

VK2SG RTTY DX NOTES FOR WEEKENDING 17 JUNE 1994 (BID RTDX0617)

THE ANARTS (AUSTRALIAN) WW RTTY DX CONTEST, LAST WEEKEND,
PRODUCED SOME NICE DX IN SPITE OF SPOTTY CONDITIONS.

OUR INFORMATION THIS WEEK CAME FROM DJ3IW AND THE CENTRAL EUROPE DX CLUSTER DB0SPC, I5FLN AND THE IK5PWJ PACKET CLUSTER, K7WUW, KP4GE, PA0RVR, WB2CJL, W5KSI, 9K2EC, AND THE NJ0M NODE OF THE TWIN CITIES DX PACKETCLUSTER NETWORK. THANKS TO ALL FOR YOUR HELP.

BANDPASS:

FRIDAY 10

0048-14085 UN5PR
0218-14080 HC6CR
0229-14082 RW3PF
1153-14083 C56/DK20C QSL HOME CBA
1155-14084 ZD8X
1331-14088 SV7BVZ
1400-14088 7X2DS
1643-21085 C56/G0UCT QSL VIA G1GMZ
1747-14080 S92ZM
2036-14084 PW8EM
2119-14085 SV5/DL6RAI
2137-14087 HC6CRA

SATURDAY 11

0120-14089 EA7GXD
0302-14096 CP1FF
0319-14091 AH6HH
0327-14085 ZL1SY
0352-14088 VK2KM
1153-14083 C56/DK20C
1155-14084 ZD8X
1155-14088 SV5/DL6RAI
1400-14088 7X2DS
1644-21085 C56/G0UCT
1701-21088 LU8EKC
1705-14089 GU/DL9YAJ
1707-14089 SV2BFN
1759-14090 TY1PS
1805-14083 CN8NP
1813-14087 SV5/DL6RAI
1853-14091 CE8SFL
1853-7037 GW5NF
1908 14085 OD5PL
2036-14084 PW8EM
2127-14088 JD1AMA
2047-14086 TY1PS
2133-14087 ZA1AJ
2145-14085 ZX2A
2152-14083 TA2II
2200-14088 VK2KM

2238-14087 UN5PR

SUNDAY 12

0047-14086 ZP5FGS
0120-14088 VP9MZ
0217-14090 ZX2A
0232-14086 CP10
0319-14085 CX7BF
0326-14084 ZL1SY
0403-14088 VK2CM
0403-14088 ZL2JON
0406-14085 AH6HH
0408-14093 VK3AMK
0409-14096 VK2KM
0451-14090 VK2DPM
0555-14091 VK2CTD
0557-14090 VK2BQS
0642-14086 SV5BYP
1347-14085 CP1FF
1601-14086 JD1BIE/JD1
1606-14089 5B4VX
1620-14085 SV5AZP
1647-14089 EM5U
1655-14088 RU0L
1811-14084 CN8NP
1819-21089 SV5/DL6RAI
1837-14080 VP9MZ
1841-14086 SV5/DL6RAI
2003-14080 CX7BF
2126-14088 LU8EKC

MONDAY 13

0034-14085 C56/G0UCT
0045-14088 EA1PC
0154-14083 VP5/W4BRE
1250-14088 DU1BJD QSL '92 CBA
1422-14082 HS0ZAA
1719-14085 TK5EP
2158-14087 IS0QDV
2220-14083 9K2IC
2221-14084 CP1FQ
2227-14087 C56/G0UCT
2240-14083 9K2IC

TUESDAY 14

1308-14088 V63VA QSL P.O.BOX 88, WELLSTON, OK 74881
1411-14088 BV2NO
1440-14085 4L1BR

1749-14077 9N1AA PACTOR
2019-14084 TA2II
2048-14082 HP1XBX/CP2

WEDNESDAY 15

0004-14070 9K2KA PACTOR
0447-14085 9K2WA
0541-14087 V63VA
1123-14088 V63VA
1625-14088 EA6MQ

THURSDAY 16

GU/DL9YAJ

NOTES OF INTEREST:

THE EINDHOVEN STUDENTS RADIO AMATEUR CLUB WILL GO ON A DXPEDITION TO LICHTENSTEIN, HB0, 6-12 JULY. ACTIVITY IS PLANNED ON ALL 9 HF BANDS, 6M, 2M, AND 70 CM. ON THE WEEKEND 9/10 JULY THEY WILL BE IN THE IARU HF CHAMPIONSHIP CONTEST. THEY HAVE REQUESTED THE CALLSIGN HB0TUE, BUT MAY HAVE TO USE PERSONAL CALLSIGNS /HB0. QSL TO PI4TUE VIA BUREAU OR CBA.

AVES ISLAND WILL BE ACTIVATED AGAIN, ON DIGITAL MODES, SSB AND CW, BY THE RADIO CLUB VENEZOLANO USING THE CALL YW0RCV FROM 21-25 JULY. ALL BANDS EXCEPT WARC WILL BE USED. QSLS GO TO THE IARU BUREAU, YV5AJ, RADIO CLUB VENEZOLANO, P.O. BOX 2285, CARACAS 1010-A, VENEZUELA. WITH RETURN POSTAGE IN EXCESS OF ONE IRC.

FOR NEXT WEEK'S BULLETIN, BOB, WB2CJL WILL BE PINCH HITTING FOR LUCIANO, I5FLN. PLEASE SEND YOUR BANDPASS AND NOTES TO WB2CJL AT W5KSI.#NOLA.LA.USA.NA OR AT I5FLN.ITA.EU

73 AND GOOD HUNTING DE JULES W2JGR AT W5KSI.#NOLA.LA.USA.NA

(VIA HF AMTOR)

ARLD036 DX news

The items in this week's bulletin are courtesy of Art, K9XJ, John, KB5QKS, The Ohio/Penn DX Bulletin, Chod, VP2ML, The DX Bulletin, the Yankee Clipper Contest Club PacketCluster network and the Contest Corral column in QST. Thanks.

CAMBODIA. Sanyi, HA7VK, will be active as XU7VK until February 1995. Listen on 20 meter SSB between 1245 and 1400z.

ANGOLA. The Red Cross will be sending Peter, ON6TT, to D2 land June 16 to July 16. He plans to be active on the low bands and the WARC bands. Commercial equipment will be used, so split operation will not be possible. QSL via ON5NT. After his stay in Angola, Peter will be active from Malawi until August 1.

KERGUELEN ISLAND. Pierre, FT5XJ, was recently heard on a DX net on 14226 kHz at 0530z. He plans to leave the island in July but will return three months later. QSL via F5NLL, listed as F1NLL in the Callbook.

BENIN. DJ4IJ, is active as TY1IJ, mainly on SSB and the WARC bands. Check 14275 kHz around 2200z. QSL via DJ5IO. TY1PS was active last weekend in the RTTY contest. QSL via Peter Schulze, B.P. 06-2535, Cotonou, Benin.

CENTRAL AFRICA. Gene, TL8NG, has been busy with CW on the WARC bands. Check 12, 17 and 30 meters between 1330 and 1600z and again after 0430z. He also shows up on the 21335 DX net around 1400z. QSL via WA1ECA.

THE GAMBIA. Uli, C56/DK20C, and Brendan, C56/G0UCT, will be closing down operations shortly after this bulletin starts making the rounds. QSL C56/DK20C via DK20C, and C56/G0UCT via G1GMZ.

CAPE VERDE. Angelo, D44BC, has been heard on 17 meters and RS12. Check 18128 kHz around 1130z. Listen on the satellite downlink between 29430 and 29445 kHz from 1200 to 1430z.

TONGA. Paul, A35RK, will be going QRT June 18. Tune between 14175 and 14226 kHz from 0330 and 0500z. Also, check the low end of 40 meters for his CW at 1330z. For RTTY QSOs, try around 14086 kHz during the same times. QSL via KK6H.

VANUATU. YJ0AVH frequents 14196 kHz between 0230 and 0600z.

ARUBA. Art, K9XJ, will be signing P4/K9XJ or P40XJ June 16 to 23. This will be a casual operation with most activity on the Novice/Tech Plus frequencies. QSL to his Callbook address.

LIECHTENSTEIN. Eight members of the Eindhoven Students Radio Amateur Club, will be active from 1800z July 6 to 1200z July 11. This all band, multimode operation will also include 6 and 2 meters, and 70 centimeters. Their main emphasis will be taking part in the IARU HF Championship on CW and SSB and the CQ WW WPX VHF/UHF Contest. The group has requested the call

sign HB0TUE for the entire operation. If they cannot get the requested call sign, operators will sign HB0/ and their personal call signs. QSL via PI4TUE.

MALYJ VYSOTSKIJ ISLAND. R1MVI will be active during the Russian DX Contest, July 30 and 31.

TURKS AND CAICOS ISLANDS. Will, AA4NC, plans to sign VP5NC in the IARU HF Championship on SSB and CW. There will be activity before and after the contest on the WARC bands. QSL via CBA.

SIX METER DX. John, KB5QKS, reports that 6 meters has been great so far this season. His recent DX contacts include: C6APF, HH2PKB, HH7PV, KP4SQ, TI2NA, TI4JHQ, WP4KJJ, XE3EB and XE3WP. PacketCluster spots show this to be an outstanding sporadic E skip season.

THIS WEEKEND ON THE RADIO. The All Asian DX Contest, CW, sponsored by JARL, is from 0000z June 18 to 2400z June 19 on 160 through 10 meters. Exchange signal report and a two digit number denoting operator age. YLs and XYLs may send signal report and 00.

The SMIRK QSO Party, sponsored by the Six Meter International Radio Klub, runs from 0000z June 18 until 2400z June 19 on six meters only. Contacts between stations in the 48 contiguous states must be made above 50.125 MHz. Exchange call sign, SMIRK number and grid square.

More detailed information on both of these contests appears on page 138 in May QST.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD, or the Secretary (Pat) VK2JPA at VK2RWI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA at VK2RWI. Email addresses for the Broadcast Officer are :

pat1(at)pitt.commusic.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We know we reach New Zealand and many South Pacific islands, and we were reaching as far north as Japan when conditions were right. We are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

That concludes the broadcast for this morning/evening.

--

Dave Horsfall (VK2KFU) VK2KFU @ VK2AAB.NSW.AUS.OC PGP 2.6
dave@esi.COM.AU ...munnar!esi.COM.AU!dave available

Date: Tue, 28 Jun 1994 03:02:12 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!zip.eecs.umich.edu!panix!viper!sysadm@network.ucsd.edu
Subject: Failed mail
To: info-hams@ucsd.edu

===== Transcript follows =====

While talking to viper.wb2sjz.ampr.org:
>>> DATA
<<< 503 Need MAIL command

===== Unsent message follows =====

Received: from groucho.kc2ky.ampr.org by sw.wb2sjz.ampr.org (MFNOS 1.12u)
with SMTP id AA5293 ; Mon, 27 Jun 94 20:12:29 UTC
Received: from kc2ky.ampr.org by groucho.kc2ky.ampr.org (MFNOS 1.12f)
with SMTP id AA15447 ; Mon, 27 Jun 94 20:01:22 EST
Received: from kc02fd.ampr.org by kc2ky.ampr.org (MFNOS 1.12f)
with SMTP id AA60983 ; Mon, 27 Jun 94 19:48:31 EST
Received: from n2mdq.ampr.org by kc02fd.ampr.org (NOS<>FBB_BBS)
with SMTP id AA10848 ; Mon, 27 Jun 94 22:54:06 UTC
Received: from viper.wb2sjz.ampr.org by n2mdq.ampr.org (MFNOS 1.12f)
with SMTP id AA11362 ; Mon, 27 Jun 94 22:38:55 utc
Received: by viper.wb2sjz.ampr.org (5.65/1.35)
id AA07306; Sun, 26 Jun 94 23:02:43 -0400
Date: Sun, 26 Jun 94 23:02:43 -0400
From: news@viper.wb2sjz.ampr.org (NETNEWS)
Message-Id: <9406270302.AA07306@viper.wb2sjz.ampr.org>
To: allusenet@viper.wb2sjz.ampr.org
Subject: rec.radio.amateur

Date: 27 Jun 1994 22:43:10 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!news.byu.edu!news.mtholyoke.edu!world!
blanket.mitre.org!psagate.progress.com!progress.progress.com!
glenn@network.ucsd.edu
Subject: FCC Address?
To: info-hams@ucsd.edu

I need to renew my license. I got a 610 form - now what's
the correct address to send it to at the FCC?

Date: 27 Jun 94 12:15:24 -0500
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!umn.edu!msc.edu!
news.gac.edu!msus1.msus.edu!vax1.mankato.msus.edu!dj1@network.ucsd.edu
Subject: Help with FBB & BPQ
To: info-hams@ucsd.edu

Hello,

I am setting up FBB with BPQ. All is well except when FBB does a
outgoing connect. It always says its on channel 1 of BPQ even though it
is actually on port 3 or 4. Incoming connects are always correctly labeled
as to what port they are. Did I miss something in BPQ or FBB? It works as
is, but I would like to make the labels identify the correct port on out-
going connects.

Thanks for your time and input. Please E-mail to the following address:

DJ1 @ VAX1.MANKATO.MSUS.EDU

Sean / NOPBA @ NOPBA.#SCMN.MN.USA.NA | BLAH blah BLAH blah BLAH blah BLAH blah
DJ1 @ VAX1.MANKATO.MSUS.EDU | blah BLAH blah BLAH blah BLAH blah BLAH

Date: Mon, 27 Jun 1994 23:17:08 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!howland.reston.ans.net!gatech!
newsxfer.itd.umich.edu!isclient.merit.edu!msuinfo!harbinger.cc.monash.edu.au!
news.cs.su.oz.au!metro!ipso!rwc@network.UCSD
Subject: IPS Daily Report - 27 June 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 27/2330Z JUNE 1994 BY IPS RADIO AND SPACE SERVICES

FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 27 JUNE AND FORECAST UP TO 30 JUNE

IPS Disturbance Warning 17 was issued on 22 June and is current for
interval 24 June to 4 July

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 073/009

GOES satellite data for 26 June

Daily Proton Fluence >1 MeV: 4.8E+05

Daily Proton Fluence >10 MeV: 1.4E+04

Daily Electron Fluence >2 MeV: 5.3E+06

X-ray background: A3.9

Fluence (flux accumulation over 24hrs)/ cm²-ster-day.

1B. SOLAR FORECAST

	28 June	29 June	30 June
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 075/013

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: unsettled

Estimated Indices :	A	K	Observed A Index 26 June
Learmonth	14	3333 3233	
Fredericksburg	25		25
Planetary	25		25

Observed Kp for 26 June: 3444 4454

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
28 Jun	20	Unsettled to active.
29 Jun	16	Unsettled to active.
30 Jun	16	Unsettled to active.

2C. MAGNETIC COMMENT

Unsettled to active conditions expected. Activity has been stronger in northern hemisphere.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
27 Jun	normal	fair	fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
28 Jun	normal	fair	poor
29 Jun	normal	fair	poor
30 Jun	normal	fair	poor

3C. GLOBAL HF PROPAGATION COMMENT

Degraded HF comms expected at mid and high lats for next 3 days.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 27 June: 33

Predicted Monthly T Index for June is 30.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
28 Jun	15	About 15% below predicted monthly values.
29 Jun	30	Near predicted monthly values.
30 Jun	30	Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Geomagnetic activity in progress. Degraded HF comms expected at times until July 4. Strong sporadic E observed yesterday.

--

IPS Regional Warning Centre, Sydney
email: rwc@ips.oz.au fax: +61 2 4148331
RWC Duty Forecaster tel: +61 2 4148329
Recorded Message tel: +61 2 4148330

|IPS Radio and Space Services
|PO Box 5606
|West Chatswood NSW 2057
|AUSTRALIA

Date: Mon, 27 Jun 1994 19:48:33 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
sundog.tiac.net!usenet.elf.com!rpi!psinnntp!arrl.org!zlau@network.ucsd.edu
Subject: Lead Acid Storage Batteries
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: In article <Pine.3.88.9406212222.A8410-01000000@julian.uwo.ca> "l.h. bol"
<lbol@julian.uwo.ca> writes:

: >I have aquired some sealed lead acid cells (plastic pack containing 6
: >cells rated for 5AH) and am trying to figure out the proper charge
: >current for them. I don't want to over-charge them (or under charge)

: Lead acid batteries are normally charged with a constant voltage
: charger. For a nominal 12 volt battery, charger voltage should be
: 14.5 volts during charge, and 13.8 volts during sustain. Auto chargers
: use a saturable core transformer to limit initial charging current,
: cheap and effective. You'll have to install a current limiter when
: using ordinary transformers. Current should be limited to 0.1 C
: for gell cells, 0.33 C for wet cells, where C is the amp-hour rating.
: An auto tail light bulb will do as a current limiter for your gell
: cell. Just put it in series between the 14.5 volt source and the
: battery. It's resistance is non-linear depending on current draw,
: so it'll allow near full voltage at low current, and drop the
: voltage as current draw increases, forming a self-regulating
: system. Crude, but effective.

This is okay as long as you remove the charger after the battery
is charged. Otherwise, you will overcharge the batteries,
possibly running them dry. A better charger will drop the voltage
back after the battery is charged. The Unitrode 3906 does this.
It also compensates for the battery temperature, though I assume
this only works if you run the chip cool and keep it at the same
temperature as the battery. This chip can be obtained from both
A and A Engineering (see ARRL Handbook chapter 35 for a suppliers
list) or Allied Electronics (according to their latest catalog).
A & A also sells boards/kits/finished units.

A smart charger works by sensing the voltage and current--if the
battery is taking lots of current at 13.8 volts, it needs to be charged
fully. On the other hand, if there is just a trickle of current, you
want the float voltage to maintain charge.

--

Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 27 Jun 1994 23:25:43 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!news1.digex.net!
digex.net!not-for-mail@network.ucsd.edu
Subject: QST H/Brew Isoloop
To: info-hams@ucsd.edu

Anyone build the QST loop antenna from the May 94 issue? I understand
it can be resized for 40M. Anyone do that yet?

Andy N3LCW

Date: Mon, 27 Jun 1994 16:25:12 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!csn!dora!etuggle@network.ucsd.edu
Subject: simplex on two meter
To: info-hams@ucsd.edu

ray.wade@michaelr.com (Ray Wade) wrote the following in a previous article:

> On 06-22-94 JOHN DERRY wrote to ALL...
>
> JD> I'm always amazed when I call CQ on 2-m simplex and get an answer.
> JD> Last
> JD> weekend I spent a lot of time operating mobile. Every time I called
> JD> CQ on
> JD> simplex, I got an answer. A whole new way to operate on 2 meters.
>
>Try it on a repeater. That is the only kind of general call I will reply
>to. I hate "monitoring". Sometimes they mean exactly that. Not that they
>want to talk but just to key up the machine. Go figure.
>
>K5JCM
>
> * OFFLINE 1.56 * What if there were no hypothetical situations?
>.....

I don't think I've ever heard anyone call CQ on a repeater. Lots of
"xxxx monitoring" though. I always thought you'd like go to hell or something
if you even thought about saying CQ on a repeater ;-)

-et
KB0LZZ, Parker, Colorado

--

Eddie D. Tuggle, etuggle@dora.auc.trw.com | "There is nothing either good or
TRW Denver Operations | bad, but thinking makes it so."
16201 Centretech Pky / Aurora, CO 80011 | -- SHAKESPEARE
Voice: 303.360.4001 FAX: 303.360.4133 |

Date: 28 Jun 1994 00:07:29 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!
neoucom.edu!news.ysu.edu!yfn.ysu.edu!as779@network.ucsd.edu
Subject: simnplex on two meter
To: info-hams@ucsd.edu

etuggle@auc.trw.com (Eddie D. Tuggle) writes:

> I don't think I've ever heard anyone call CQ on a repeater. Lots of
> "xxxx monitoring" though. I always thought you'd like go to hell or
> something if you even thought about saying CQ on a repeater ;-)
>
> -et KB0LZZ, Parker, Colorado
>

Local customs and procedures vary. Here in Detroit area it is not uncommon
to hear a "CQ" call (not the old 40 phone "seeee cuueeeee seeeee cuueeee"
for ten minutes, just a "CQ from W8xx" This is used interchangeably
with the "xxx monitoring" call, which just announces one's presence
on the freq. just in case any of your pals are around and want to talk.
While travelling thru upstate NY, I did monitor a QSO for about
twenty minutes while an old timer and newcomer argued vehemently about
whether it was ok or even LEGAL to call CQ on a repeater. Lots of
time on their hands I guess!

--
Chuck Reti Detroit,MI WV8A
aa010@detroit.freenet.org
wv8a@wb8zpn.#semi.mi.usa.na

Date: Mon, 27 Jun 1994 14:48:54
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news2.sprintlink.net!
news.sprintlink.net!indirect.com!s146.phxslip.indirect.com!
lenwink@network.ucsd.edu
Subject: Success!
To: info-hams@ucsd.edu

Senator Barry Goldwater, K7UGA, appeared on the Ham Radio & More
show this past Sunday, and was sensational, as usual. Senator Goldwater
answered callers questions ranging from MARS to STI Defense
Systems. Much praise was given to Senator Goldwater for his time given
to the country.

Some quotes of interest included his support of the no-code license, and he said that since code is outdated and not used in the military anymore, he believes the time has come to do away with the code requirements, even though he thoroughly enjoys code and can be found on CW many times each week. He also believes that "our" ability to handle national emergencies is justification in itself for our existence, and he is VERY opposed to charging for a license.

Ham Radio & More can be heard each Sunday at 6:00pm EST on the Talk America Network in 23 cities and via satellite on spacenet 3, transponder 9, 6.8 audio. More info at 1-602-241-1510.

73,
Len, KB7LPW

Date: 28 Jun 1994 00:44:14 -0000
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!torn!uunet.ca!uunet.ca!ionnews.io.org!nobody@network.ucsd.edu
Subject: What causes pitch shift in receiver?
To: info-hams@ucsd.edu

In article <1994Jun27.141555.17326@arrl.org>,
Zack Lau (KH6CP) <zlau@arrl.org> wrote:
>Mike Stramba (Canada) (mike@io.org) wrote:
>
>The problem is the cheap radio. No doubt it tunes in 1 kHz steps. To
>reproduce voice accurately, you have to re-insert the carrier accurately.
>A radio with 100 Hz steps may not be acceptable to finicky listeners.
>10 Hz steps are usually good enough for almost everyone.

Well I don't expect much from this radio that's for sure. As a matter of fact it *does* tune in 1 kHz steps. Smaller tuning steps make sense.

I just found some info in the 1993 ARRL handbook (page 12-28 radio receiving principles) that says most commercial receivers use 250-600 Hz bandwidth filters for CW and 1.8 to 2.7 kHz filters for SSB.

What is the frequency resolution in most HF transceivers ?

Mike
--

=====
Mike Stramba Email: mike@io.org
Toronto, Canada Internex Online - Toronto, Canada (416) 363-3783
=====

Date: Mon, 27 Jun 94 16:43:00 -0800
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
ns.mcs.kent.edu!kira.cc.uakron.edu!malgudi.oar.net!infinet!nitelog!
mario.campos@network.ucsd.edu
Subject: YOU KNOW ITS TIME TO RETI
To: info-hams@ucsd.edu

Subject: YOU KNOW ITS TIME TO RETI

>N> Compilation of replies to thread subject: You know its time to retire from
>the
>N> hobby when...(Amateur Radio Humor).

>How about when you greet your boss on a monday by saying "Hello Old Man!"
>only to find he doesn't LIKE being called an old man. (Happened to me
>last week.....had a hard time convincing him that it was a friendly
>gesture.)

Especially if he is younger than you! <g>

* QMPro 1.52 * mario.campos@nitelog.com - N6ALS@K6LY.#NOCA.CAL.USA.NOAM

Date: Mon, 27 Jun 1994 11:37:09
From: ihnp4.ucsd.edu!swrinde!gatech!udel!news2.sprintlink.net!news.sprintlink.net!
nwnexus!olympus.net!olympus.net!vaughnwt@network.ucsd.edu
To: info-hams@ucsd.edu

References <9406260349298359@ccibbs.com>,
<FAUNT.94Jun26111329@netcom2.netcom.com>, <Cs0ywv.57J@news.Hawaii.Edu>s
Subject : Re: What hams do on vacation...

>In article <FAUNT.94Jun26111329@netcom2.netcom.com> faunt@netcom2.netcom.com
(Doug Faunt N6TQS 510-655-8604) writes:

>>

>>Does everyone else go around on vacations scanning rooftops, etc., for
>>antennas when on vacation?

>You bet, Doug! Even here at home whenever I go out I try to find new
>routes just to look for antennas.

>When I'm on your side of the Pacific I scan tops of buildings, roofs,
>mountain tops...

>Can someone in L.A. tell me what I see when I look from the Studio City
>area up to the Hollywood Hills - there appears to be a two story home
>that has about 50 antennas, some broadcast, some are dishes, most are
>verticals on several towers. This would be near where Coldwater Canyon
>Drive crosses Mulholland Drive; there is a private tennis club just
>below it (I know because I rode a motorcycle up to there - couldn't
>reach the site due to a private gate). This is NOT the same site
>that sits above the HOLLYWOOD sign. This site is in a residential
>area and is actually a house whose interior must be nothing but
>transmitters.

>Jeff NH6IL

Sounds like the Russian Embassy.
William Vaughn vaughnwt@olympus.net "Just plain Bill."

End of Info-Hams Digest V94 #713
